

US ARMY ENGINEER DISTRICT, SACRAMENTO
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA

SPK-12513
Nov 81
Revised Apr 89

TO: Architect-Engineers and District Personnel:

1. The attached revised guide specification supercedes the previous guide, SPK-12A, PLASTIC WINDOW SHADES, dated November 1981, and is for use in the preparation of project specifications.

NOTE: A-E's should read all the TECHNICAL NOTES located at the beginning of this guide specification and edit the specification accordingly.

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GENERAL NOTE

1. This guide specification is to be used in the preparation of contract specifications in accordance with the Sacramento District Specification Manual. It will not be made a part of a contract merely by reference; pertinent portions will be copied verbatim into the contract documents.

TECHNICAL NOTE

- A. The section number will be inserted in the specification heading and prefixed to each page number in project specifications.

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SECTION 12513

PLASTIC WINDOW SHADES

1. MATERIAL:

1.1 Unless otherwise specified in the proposal, the Contractor shall furnish Plastic View Transparent Shades or an equivalent substitute. All substitutions shall have prior approval in writing. The Contractor shall furnish the Government four (4) certified copies of a product warrant. The manufacturer of the plastic material shall state that the material furnished is "Weatherized Mylar" as produced by the DuPont Company, or equal. All statements shall clearly state that the submittal is equal or better than "Weatherized Mylar".

1.2 The shade thickness shall be 0.003 gauge.

1.3 Color shall be smoke grey unless otherwise specified in the proposal. Shades for all towers shall be smoke grey in color, no exceptions.

1.4 Bottom edge of shades shall have 2-3/16" binding of heavy duty Fabrickoil.

1.5 All binding edges shall be double stitched.

1.6 Shades shall have flat steel rods in bottom binding.

1.7 Shades shall have two rivet eyelets in each corner and one in the center of the shade piercing the plastic material and metal rod.

1.8 Shade cord shall be non-stretch nylon.

1.9 Rollers shall be of the metal type with one (1) dog clipped in the neutral position, allowing tensile action of the spring at all times.

1.10 Directional pulleys shall be of the low friction nylon type - free running.

1.11 Lock pulleys and brackets shall be cadmium plated.

1.12 Eight (8) inches of material shall remain on the roller when the shade is in the fully extended position of the window. Material end shall be taped to the roller to prevent any ridging when rolled up.

1.13 Shades shall have a reverse roll. Material shall roll off towards the interior of the tower cab and away from the glass surface. This requirement is necessary to minimize the amount of light streak.

1.14 Shade width shall be kept to a maximum of eight (8) feet.

1.15 Shades shall be secured for mounting by die stamped ceiling brackets of adequate size.

2. INSTALLATION:

2.1 All shades installed in air traffic control towers shall be mounted vertically as close to the window as the bottom edge will permit. There shall be no overlapping of shades and they shall form a butt connection at the cab corner.

2.2 Shades for all other facilities shall be installed as indicated in the proposal.

2.3 Shades shall be secured by means of a lock pulley for each shade with a securing knot tied on the operating end of the pulley allowing only sufficient cord to pass through the pulley as required to collapse the shade completely and prevent any additional winding of the cord around the shade.

2.4 It is the full intention that the bias cut shade not be used.

2.5 Drawings WE-D-5732-53 and WE-D-5732-54, "Typical Standard Installation - Transparent Plastic Window Shades", (Square and Octagonal), may be used as a guide. Copies of these drawings are available at Federal Aviation Agency, Installation and Materials Division, Western Region, Los Angeles, California.

3. CONSTRUCTION QUALITY CONTROL: Attention is directed to SECTION: CONSTRUCTION QUALITY CONTROL which requires the Contractor to perform quality control inspection, testing, and reporting.

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- REMINDER -

Located at the front of these specifications are the Contract Clauses, Special Clauses and Division I GENERAL REQUIREMENTS of the Technical Specifications, which apply to every aspect of this contract including the work in this section whether performed by Prime Contractor, subcontractor, or supplier.